

EQUIPMENT LIST 'A'

<u>EQUIPMENT LIST 'B'</u>

<u> </u>	JIPMENI	LIST A	EQUIPIVIENT LIS! B										
EQUIPMENT T	TO BE FURNI	SHED BY THE SHA.	EQUIPMENT	T TO BE FURNIS	SHED AND INSTALLED BY THE CONTRACTOR.								
ITEM NO	QUANTITY	DESCRIPTION	ITEM NO	QUANTITY	DESCRIPTION								
9104	I EA	SIZE 'S' CABINET WITH CONTROLLER AND VIDEO INTERFACE EQUIPMENT: 1-8 CAMERAS	1001	3 EA	MAINTENANCE OF TRAFFIC								
			2001	26 CY	CLASS 2 EXCAVATION								
9110	I EA	UNINTERRUPTABLE POWER SUPPLY AND EQUIPMENT	2002	IO CY	TEST PIT EXCAVATION								
9570	79 SF	SHEET ALUMINIUM GROUND MOUNTED SIGN:	5002	45 LF	5 INCH HEAT APPLIED WHITE OR YELLOW PERMANENT PAVEMENT MARKINGS								
		4 EA - SI-I FYG (36 IN. × 36 IN.)	5003	1,450 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS								
		2 EA - WI6-7p(R) FYG (24 IN. x 12 IN.)	5004	2,000 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES								
		2 EA - WI6-7p(L) FYG (24 IN. x I2 IN.)	5005	250 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES								
		2 EA - RI-I (30 IN. x 30 IN.)	6001	670 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH								
			6002	5,000 SF	5 INCH CONCRETE SIDEWALK								
		3 EA - R4-7 (24 IN. x 30 IN.)	6003	175 SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS								
		2 EA ~ R7-I(I) (I2 IN. × 18 IN.)	8001	56 EA	12 INCH LED SIGNAL HEAD SECTION								
	ŕ	2 EA - OMI-3 (18 IN. × 18 IN.)	8002	I EA	2-WIRE CENTRAL CONTROL UNIT								
9571	132 SF	SHEET ALUMINIUM MAST ARM/POLE MOUNTED SIGN;	8005	3 EA	ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER								
		2 EA - D-3(I) (96 IN. × 16 IN.)	8008	8 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS								
		"RANDOLPH RO" DUAL FACED	8009	7 EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)								
•		I EA - D-3(I) (96 IN. × 16 IN.)	8012	1 EA	EMBEDDED METERED SERVICE PEDESTAL WITH BYPASS SWITCH								
		"CONNECTICUT AVE"	8015	8 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD								
		I EA MI-5(4) (78 IN. × 36 IN.)	8018	l EA	MAST ARM POLE & 50' MAST ARM ANY 'T' DIMENSION								
•		1 EA - MI-5(6) (48 IN. × 72 IN.)	8019	3 EA	MAST ARM POLE & 60' MAST ARM ANY 'T' DIMENSION								
		4 EA - RIO-3(I)(9 IN.X I5 IN.) "PUSH BUTTON TO CROSS CONNECTICUT AVE"	8020	I EA	MAST ARM POLE & 70' MAST ARM ANY 'T' DIMENSION								
		4 EA - RIO-3(I) (9 IN. X I5 IN.)	8023	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)								
		'PUSH BUTTON' TO CROSS RANDOLPH ROAD"	8028	4 EA	VIDEO DETECTION CAMERA AND CABLE ANY LENGTH								
•		I EA - W3-3 (36 IN. × 36 IN.)	8031	260 LF	IZ-PAIR COMMUNICATION CABLE, SELF- SUPPORTING, JELLY-FILLED/UNDERGROUND								
		I EA - W3-3a(I) (I20 IN. x 48 IN.)	8033	900 LF	DISCONNECT, PULL-BACK & REROUTE CABLES								
			8037	125 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT~BORED								
			8038	525 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED								
			8039	1,300 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED								
			8040	200 LF	WOOD SIGN SUPPORTS UP TO 4 INCH X 6 INCH								
	EQUIPM	ENT LIST 'AI'	8041	211 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)								
EQUIPI	MENT TO BE	FURNISHED BY MONTGOMERY COUNTY.	8043	1,750 LF	NO.6 AWG STRANDED BARE COPPER GROUND WIRE								
		• ·	8044	2 EA	WEATHER HEAD, 3 INCH								
<u>ITEM</u>	NO QUAN	<u>TITY</u> <u>DESCRIPTION</u>	8046	100 LF	ELECTRICAL CABLE I-CONDUCTOR NO. 8 AWG-THHN/THWN								
. 9000	2 EA	MONTGOMERY COUNTY INTERCONNECT	8047	13 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE								
		SPLICE CABINET	8051	35 LF	3 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80, RISER								
			8052	I EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE								
			8054	1,700 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)								
			8056	3,250 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)								
			8057	2,400 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)								
			8062	2 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT								
			8063	· I EA	INSTALL CONTROLLER AND CABINET BASE MOUNT (ANY SIZE)								

PHASE CHART

	1	2	3	4	5	6	7	8	9	_10	11	12	_13_	14	15	16	17	18	19	20	21	22	23	24	
· · · · · · · · · · · · · · · · · · ·	R V-Y GG	R W-Y GG			R Y G	RYG	\$\(\dagger)\)	\$\(\dagger\)	R Y G	R Y G	(Y)	(Y)	RYG	R W-Y GG	R W-Y G G	RYG									
PHASE 1 AND 5	∢ G−	∢ G−	R	∢ G−	∢ G−	R	∢ R−	∢ R−	R	R	FL/Y	FL/Y	R	R	R	R	DW	DW	DW	DW	DŴ	DW	DW	DW	V- (
PHASE 1 AND 5 CHANGE TO :	LAND	6,2 A	AND 5	, OR 2	2 AND	6								,											
PHASE 1 AND 6	∢ G−⁄G	∢ G−⁄G	G	R	R	R	∢ R−	∢ R−	R	R	FL/Y	FLY	R	R	R	R·	DW	w _K	WK	DW	DW	DW	DW	DW	Ţ
PHASE 1 CHANGE	∢Y-⁄G	∢Y-⁄G	G	R	R	R	∢R-	∢ R−	R	R	FL/Y	FLY	R	R	R	R	DW	W/K	W/K	DW	DW	DW	DW	DW	<u></u>
PHASE 2 AND 5	R	R	R	∢ G-⁄G	∢ G-⁄G	G	∢R-	∢ R−	R	R	FLY	FLY	R	R	R	R	W/K	DW	DW	W/K	DW	DW	DW	DW	•
PHASE 5 CHANGE	R	R	R	∢Y-⁄G	∢Y∹∕G	G	∢R-	∢R~	R	R	FLY	FLY	R	R	R	R	W/K	DW	DW	WK	DW	DW	DW	DW	;
PHASE 2 AND 6	G	G	G	G	G	G	∢R−	∢ R−	R	R	FLY	FLY	R	R	R	R	W/K	W/K	W/K	W/K	D/W	D/W	D/W	DW	•
PED CLEARANCE	G	G	G	G	G	G	∢ R~	∢ R	R	R	FLY	FLY	R	R	R	R	FL/DW	FL/DW	FL/DW	FL⁄DW	DW	DW	DW	DW	ĄΫ́
PHASE 2 AND 6 CHANGE	Υ	Y	Υ	Υ	Υ	Y	∢ R−	∢ R−	R	R	FLY	FLY	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	· · · · · · · · · · · · · · · · · · ·
PHASE 3 AND 7	R	R	R	R	R	R	∢G	∢ G-	R	R	FL/Y	FL/Y	R	∢ G-⁄R	∢ G-⁄R	R	DW	DW	DW	DW	DW	DW	DW	DW	T A
PHASE 3 AND 7 CHANGE TO	3 AND	8,4	AND	7, OR	4 AND	8														_					.√ TT
PHASE 3 AND 8	R	R	R	R	R	R	∢ R−	∢ R-	R	R	DARK	DARK	G.	•G-⁄G	∢ G-∕G	G	DW	DW	DW	DW	DW	DW	DW	DW	Α
PHASE 3 CHANGE	R	R	R	R	R	R	∢R⊸	∢R⊱	R	R	DARK	DARK	G	∢Y⁄G	∢Y-⁄G	Υ	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 7	R	R	R	R	R	R	∢ G−	∢G-	G	G	FLY	FLY	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	9
PHASE 7 CHANGE	R	R	R	R	R	R	∢ Y−	∢ Y−	G	G	FLY	FLY	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	¦↓ _,
PHASE 4 AND 8	R	R	R	R	R	R	∢ R−	∢R−	G	G	DARK	DARK	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW	ޱ·····
PHASE 4 AND 8 CHANGE	R	R	R	R	R	R	∢ R−	∢R-	Υ	Y	DARK	DARK	Y	Υ	Υ	Υ	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8 ALT.	R	R	R	R	R	R	∢ R−	∢ R−	G	G	DARK	DARK	G	G	G	G	DW	DW	DW	DW	W/K	W/K	W/K	W/K	Q ·
PED CLEARANCE	R	R	R	R	R	R	∢ R−	∢ R-	G	G	DARK	DARK	G	G	G	G	DW	DW	DW	DW	FL⁄DW	FL⁄DW	FL/DW	FL⁄DW	
PHASE 4 AND 8 ALT. CHANGE	R	R	R	R	R	R	∢ R-	•R-	Y	Υ	DARK	DARK	Υ	Υ	Υ	Υ	DW	DW	DW	DW	DW	DW	DW	DW	° ⊲.√
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/RA	FL/RA	FL/R	FL/R	DARK	DARK	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	+ -

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO MONTGOMERY COUNTY.

ITEM NO

QUANTITY

DESCRIPTION

NONE - MONTGOMERY COUNTY FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.

TOD NO: XX655-24 SHA NO: MO972B5F MD 185 @ Randolph Road



TS NO. 2074C

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 185 (CONNECTICUT AVENUE)

AT RANDOLPH ROAD GLENMONT, MARYLAND

GENERAL INFORMATION SHEET (2 OF 2)

SCALE NONE ADVERTISED DATE 05/2012 CONTRACT NO. XX6555185 COUNTY MONTGOMERY LOGMILE <u>15018506.32</u> TIMS NO. K602 F.A.P. NO. _____ TOD NO.

SHEET NO. 04 OF 04

DRAWING **SG-04** OF 04

STV Incorporated 7125 Ambassador Road, Suite 200 Baltimore, MD 21244 www.stvinc.com

PLOTTED: Friday, May 11, 2012 AT 02:45 PM FILE: I:\PROJECTS\4014255\4014255_0118\Drawings\TRA\pSG-N001_MD185_RANDOLPH.dgn